SEQUENCE LISTING

<110> Urry, Dan

<120> Injectable Implants For Tissue Augmentation and Restoration

<130> BERL-020/04US

<150> US 09/258,723
<151> 1999-02-26

<150> US 60/087155
<151> 1998-05-29

<150> US 60/076297
<151> 1998-02-27

<160> 65

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<212> DNA
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ggtgtgggcg tcccgggtgt aggtgttcca ggcgtagggg taccgggtcg tggtgactct 180

ccgggcgttg gtgtaccggg tgttggtgtg ccgggtgttg gtgttccggg cgtaggcgta 240

ccgggcgtag gcgtgccggg cgtaggcgtt ccgggcgtgg gcgtaccggg cgtgggcgtg 300

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cgtgccgggt gtgggcgtcc caggtgtagg cgttccgggt gtgggtgtag ctccgggtgt 180

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<213> Artificial Sequence

<400> 9

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Gly Gly Val Pro Gly Gly Val Pro Gly Gly Val Pro Gly Gly Phe Pro
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Gly Gly Val Pro Gly Gly Val Pro Gly Gly Val Pro Gly Gly Phe Pro
35 40 45

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<213> Artificial Sequence

<400> 10

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Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro
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<210> 11
<211> 11
<212> PRT
<213> Artificial Sequence

<400> 11

Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly
1 5 10

<210> 12
<211> 30
<212> PRT
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<400> 12

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Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
20 25 30

<210> 13
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<212> PRT
<213> Artificial Sequence

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Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45

Val Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly
50 55 60

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
65 70 75 80

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
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<212> PRT
<213> Artificial Sequence

<400> 14

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20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45

Val Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val
50 55 60

Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro
65 70 75 80

Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val
85 90 95

Ala Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
100 105 110

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
115 120 125

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
130 135 140

Val Gly Val Pro
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<211> 30
<212> PRT
<213> Artificial Sequence

<400> 15

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Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
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<210> 16
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<400> 16

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<210> 17
<211> 5
<212> PRT
<213> Artificial Sequence

<400> 17

Val Pro Gly Val Gly
1 5

<210> 18
<211> 1255
<212> PRT
<213> Artificial Sequence

<400> 18

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Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
85 90 95

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
100 105 110

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
115 120 125

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
130 135 140

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
145 150 155 160

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
165 170 175

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
180 185 190

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
195 200 205

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
210 215 220

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
225 230 235 240

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
245 250 255

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
260 265 270

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
275 280 285

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
290 295 300

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
305 310 315 320

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
325 330 335

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
340 345 350

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
355 360 365

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
370 375 380

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
385 390 395 400

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
405 410 415

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
420 425 430

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly

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Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
    450                 455                 460

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
465                 470                 475                 480

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
                485                 490                 495

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
            500                 505                 510

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
        515                 520                 525

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
    530                 535                 540

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
545                 550                 555                 560

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
                565                 570                 575

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
            580                 585                 590

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
        595                 600                 605

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
    610                 615                 620

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
625                 630                 635                 640

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
                645                 650                 655

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
            660                 665                 670

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
        675                 680                 685

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
    690                 695                 700

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
705                 710                 715                 720

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
                725                 730                 735

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
            740                 745                 750

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
        755                 760                 765
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Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
770 775 780

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
785 790 795 800

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
805 810 815

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
820 825 830

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
835 840 845

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
850 855 860

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
865 870 875 880

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
885 890 895

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
900 905 910

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
915 920 925

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
930 935 940

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
945 950 955 960

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
965 970 975

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
980 985 990

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
995 1000 1005

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1010 1015 1020

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Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
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Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1055 1060 1065

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1070 1075 1080

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1085 1090 1095

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1100 1105 1110

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1115 1120 1125

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1130 1135 1140

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1145 1150 1155

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1160 1165 1170

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1175 1180 1185

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1190 1195 1200

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1205 1210 1215

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1220 1225 1230

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1235 1240 1245

Val Pro Gly Val Gly Val Pro
1250 1255

<210> 19
<211> 5
<212> PRT
<213> Artificial Sequence

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e side chai

<400> 19

Val Pro Gly Xaa Gly
1 5

<210> 20
<211> 5
<212> PRT
<213> Artificial Sequence

<400> 20

Gly Val Gly Val Pro

1 5

<210> 21
<211> 166
<212> PRT
<213> Artificial Sequence

<400> 21

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Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
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Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
35 40 45

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
50 55 60

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
65 70 75 80

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
85 90 95

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
100 105 110

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
115 120 125

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
130 135 140

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro
145 150 155 160

Gly Arg Gly Asp Ser Pro
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<211> 25
<212> PRT
<213> Artificial Sequence

<400> 22

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Val Gly Val Pro Gly Glu Gly Val Pro
20 25

<210> 23
<211> 100
<212> PRT
<213> Artificial Sequence

<400> 23

Gly Ala Gly Gly Ala Thr Cys Cys Gly Ala Ala Gly Ala Cys Ala Ala
1 5 10 15

Cys Ala Gly Gly Thr Gly Gly Thr Gly Thr Thr Cys Cys Gly Gly Gly
20 25 30

Cys Gly Gly Cys Gly Thr Ala Cys Cys Gly Gly Gly Thr Gly Gly Cys
35 40 45

Gly Thr Ala Cys Cys Gly Gly Gly Cys Gly Gly Thr Thr Thr Cys Cys
50 55 60

Cys Gly Gly Gly Ala Gly Gly Thr Gly Thr Gly Cys Cys Gly Gly Gly
65 70 75 80

Thr Gly Gly Gly Gly Thr Thr Cys Cys Ala Gly Gly Cys Gly Gly Thr
85 90 95

Gly Thr Ala Cys
100

<210> 24
<211> 100
<212> DNA
<213> Artificial Sequence

<400> 24
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accgcccgga aacccacccg gtacaccgcc tggaacccca 100

<210> 25
<211> 635
<212> PRT
<213> Artificial Sequence

<400> 25

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1 5 10 15

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly
35 40 45

Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val
50 55 60

Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro
65 70 75 80

Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly
85 90 95

Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val
100 105 110

Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly
115 120 125

Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe
130 135 140

Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
145 150 155 160

Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly
165 170 175

Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys
180 185 190

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly
195 200 205

Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val
210 215 220

Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro
225 230 235 240

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
245 250 255

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
260 265 270

Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly
275 280 285

Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val
290 295 300

Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro
305 310 315 320

Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly
325 330 335

Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val
340 345 350

Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly
355 360 365

Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe
370 375 380

Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
385 390 395 400

Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly
405 410 415

Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys
420 425 430

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly

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      435                 440                 445

Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val
    450                 455                 460

Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro
465                 470                 475                 480

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
                485                 490                 495

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val
            500                 505                 510

Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly
        515                 520                 525

Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val
    530                 535                 540

Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro
545                 550                 555                 560

Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly
                565                 570                 575

Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val
            580                 585                 590

Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly
        595                 600                 605

Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe
    610                 615                 620

Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro
625                 630                 635

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gggaca                                                                66


<210>  28
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<400> 28

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<210> 29
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<212> PRT
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20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45

Val Pro
50

<210> 30
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<212> DNA
<213> Artificial Sequence

<400> 30
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<210> 31
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<400> 31
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<210> 32
<211> 22
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<400> 32
gacctaggtc tggtacccgc aa 22

<210> 33
<211> 36
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<400> 33

<210> 34
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<212> PRT
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<400> 34

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20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45

Val Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly
50 55 60

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
65 70 75 80

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
85 90 95

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
100 105 110

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
115 120 125

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
130 135 140

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
145 150 155 160

Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val
165 170 175

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
180 185 190

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
195 200 205

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
210 215 220

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
225 230 235 240

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
245 250 255

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
260 265 270

Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro
275 280 285

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
290 295 300

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
305 310 315 320

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
325 330 335

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
340 345 350

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
355 360 365

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
370 375 380

Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly
385 390 395 400

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
405 410 415

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
420 425 430

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
435 440 445

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
450 455 460

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
465 470 475 480

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
485 490 495

Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val
500 505 510

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
515 520 525

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
530 535 540

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
545 550 555 560

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
565 570 575

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
580 585 590

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly

595 600 605

Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly
610 615 620

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
625 630 635 640

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
645 650 655

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
660 665 670

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
675 680 685

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
690 695 700

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
705 710 715 720

Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly Val
725 730 735

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
740 745 750

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
755 760 765

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
770 775 780

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
785 790 795 800

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
805 810 815

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
820 825 830

Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
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Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
850 855 860

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
865 870 875 880

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
885 890 895

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
900 905 910

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
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Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
930 935 940

Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
945 950 955 960

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
965 970 975

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
980 985 990

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
995 1000 1005

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
1010 1015 1020

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
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Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
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Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly
1055 1060 1065

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1070 1075 1080

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1040 1045 1050

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
1055 1060 1065

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1070 1075 1080

Val Pro
1085

<210> 40
<211> 605
<212> PRT
<213> Artificial Sequence

<400> 40

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
85 90 95

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
100 105 110

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
115 120 125

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
130 135 140

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
145 150 155 160

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
165 170 175

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
180 185 190

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
195 200 205

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
210 215 220

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
225 230 235 240

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
245 250 255

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
260 265 270

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
275 280 285

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
290 295 300

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
305 310 315 320

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
325 330 335

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
340 345 350

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
355 360 365

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
370 375 380

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
385 390 395 400

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
405 410 415

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
420 425 430

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
435 440 445

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
450 455 460

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
465 470 475 480

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
485 490 495

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
500 505 510

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
515 520 525

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
530 535 540

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
545 550 555 560

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
565 570 575

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
580 585 590

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
595 600 605

<210> 41
<211> 4
<212> PRT
<213> Artificial Sequence

<400> 41

Gly Gly Val Pro
1

<210> 42
<211> 4
<212> PRT
<213> Artificial Sequence

<400> 42

Gly Gly Phe Pro
1

<210> 43
<211> 5
<212> PRT
<213> Artificial Sequence

<400> 43

Gly Lys Gly Val Pro
1 5

<210> 44
<211> 5
<212> PRT
<213> Artificial Sequence

<400> 44

Gly Val Gly Phe Pro
1 5

<210> 45
<211> 5
<212> PRT
<213> Artificial Sequence

<400> 45

Gly Phe Gly Phe Pro
1 5

<210> 46
<211> 6
<212> PRT
<213> Artificial Sequence

<400> 46

Gly Arg Gly Asp Ser Pro
1 5

<210> 47
<211> 6
<212> PRT
<213> Artificial Sequence

<400> 47

Gly Val Gly Val Ala Pro
1 5

<210> 48
<211> 5
<212> PRT
<213> Artificial Sequence

<400> 48

Gly Glu Gly Val Pro
1 5

<210> 49
<211> 5
<212> PRT
<213> Artificial Sequence

<400> 49

Gly Phe Gly Val Pro
1 5

<210> 50
<211> 4
<212> PRT
<213> Artificial Sequence

<400> 50

Gly Gly Ala Pro
1

<210> 51
<211> 5
<212> PRT
<213> Artificial Sequence

<400> 51

Gly Val Gly Ile Pro
1 5

<210> 52
<211> 6
<212> PRT
<213> Artificial Sequence

<400> 52

Val Gly Val Ala Pro Gly
1 5

<210> 53
<211> 106
<212> PRT
<213> Artificial Sequence

<400> 53

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
35 40 45

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
85 90 95

Val Gly Val Pro Gly Arg Gly Asp Ser Pro
100 105

<210> 54
<211> 25
<212> PRT
<213> Artificial Sequence

<400> 54

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
1 5 10 15

Val Gly Phe Pro Gly Phe Gly Phe Pro
20 25

<210> 55
<211> 1300
<212> PRT
<213> Artificial Sequence

<400> 55

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
35 40 45

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
50 55 60

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
65 70 75 80

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
85 90 95

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
100 105 110

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
115 120 125

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
130 135 140

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
145 150 155 160

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
165 170 175

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
180 185 190

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
195 200 205

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile

210 215 220

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
225 230 235 240

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
245 250 255

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
260 265 270

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
275 280 285

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
290 295 300

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
305 310 315 320

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
325 330 335

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
340 345 350

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
355 360 365

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
370 375 380

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
385 390 395 400

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
405 410 415

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
420 425 430

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
435 440 445

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
450 455 460

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
465 470 475 480

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
485 490 495

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
500 505 510

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
515 520 525

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
530 535 540

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
545 550 555 560

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
565 570 575

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
580 585 590

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
595 600 605

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
610 615 620

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
625 630 635 640

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
645 650 655

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
660 665 670

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
675 680 685

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
690 695 700

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
705 710 715 720

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
725 730 735

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
740 745 750

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
755 760 765

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
770 775 780

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
785 790 795 800

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
805 810 815

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
820 825 830

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
835 840 845

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
850 855 860

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
865 870 875 880

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
885 890 895

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
900 905 910

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
915 920 925

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
930 935 940

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
945 950 955 960

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
965 970 975

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
980 985 990

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
995 1000 1005

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1010 1015 1020

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1025 1030 1035

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1040 1045 1050

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1055 1060 1065

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1070 1075 1080

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1085 1090 1095

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1100 1105 1110

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1115 1120 1125

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1130 1135 1140

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1145 1150 1155

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1160 1165 1170

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly

1175 1180 1185

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1190 1195 1200

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1205 1210 1215

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1220 1225 1230

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1235 1240 1245

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1250 1255 1260

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1265 1270 1275

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
1280 1285 1290

Ile Pro Gly Val Gly Ile Pro
1295 1300

<210> 56
<211> 50
<212> PRT
<213> Artificial Sequence

<400> 56

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
35 40 45

Ile Pro
50

<210> 57
<211> 111
<212> PRT
<213> Artificial Sequence

<400> 57

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
35 40 45

Ile Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly
50 55 60

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile
65 70 75 80

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
85 90 95

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro
100 105 110

<210> 58
<211> 111
<212> PRT
<213> Artificial Sequence

<400> 58

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
35 40 45

Ile Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly
50 55 60

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
65 70 75 80

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
85 90 95

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
100 105 110

<210> 59
<211> 45
<212> PRT
<213> Artificial Sequence

<400> 59

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Phe Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Phe Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Phe Gly Val Pro
35 40 45

<210> 60
<211> 111
<212> PRT
<213> Artificial Sequence

<400> 60

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly
35 40 45

Ile Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly
50 55 60

Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Phe
65 70 75 80

Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
85 90 95

Gly Lys Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro
100 105 110

<210> 61
<211> 25
<212> PRT
<213> Artificial Sequence

<400> 61

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1 5 10 15

Val Gly Val Pro Gly Lys Gly Val Pro
20 25

<210> 62
<211> 50
<212> PRT
<213> Artificial Sequence

<400> 62

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly
1 5 10 15

Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val
20 25 30

Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly
35 40 45

Phe Pro
50

<210> 63
<211> 30
<212> DNA
<213> Artificial Sequence

<400> 63

ttcggattcc cgggcgtagg cgtaccgggt 30

<210> 64
<211> 30
<212> DNA
<213> Artificial Sequence

<400> 64
aagcctaagg gcccgcatcc gcatggccca 30

<210> 65
<211> 10
<212> PRT
<213> Artificial Sequence

<400> 65

Phe Gly Phe Pro Gly Val Gly Val Pro Gly
1 5 10